Appl. No.: 10/808,692 Amdt. dated 05/15/2007

Reply to Office Action of 01/31/2007

Amendments to the Claims:

(Currently Amended) A composition for forming a porous film comprising a
condensation product and an organic solvent wherein the condensation product is obtained by
adding acid to condensation, in the presence of acid, of at least one compound selected from the
group consisting of silicate represented by formula (1) and organosilicate represented by formula

$$(X_2O)_i (SiO_2)_j (H_2O)_k (1)$$

 $(X_2O)_{\ a}(RSiO_{1.5})_{\ b}\,(H_2O)_{\ c}$ (2)

wherein X independently represents Li, Na, K, Rb, Cs or quaternary ammonium; i, j and k independently represent numbers which satisfy $0 < i \le 1$, $0 \le 1$ and $0 \le k \le 2$; R independently represents a hydrogen atom or an organic group; and a, b and c independently represent numbers which satisfy $0 < a \le 1$ and $0 \le k \le 1$. So the satisfy $0 < a \le 1$ and $0 \le k \le 1$.

- (Original) The composition for forming a porous film according to Claim 1 wherein said quaternary ammonium comprises an alkyl group having 1 to 20 carbons.
- (Original) The composition for forming a porous film according to Claim I wherein said R represents an organic group having 1 to 10 carbons.
- 4. (Original) The composition for forming a porous film according to Claim 1 wherein said silicate represented by formula (1) is tetramethylammonium silicate and said organosilicate represented by formula (2) is tetramethylammonium methylsilicate.
- (Currently Amended) A method for manufacturing a porous film comprising steps
 of applying a composition according to Claim[[s]] 1 to a substrate so as to form a film thereon,
 drying the film and heating the dried film so as to harden the film.
 - (Withdrawn) A porous film formable by a composition according to Claim 1.
- (Withdrawn) An interlevel insulating film formable by a composition according to Claim 1.

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8. (Withdrawn) A semiconductor device comprising a porous film therein, the porous film being formable by a composition comprising a condensation product and an organic solvent wherein the condensation product is obtained by condensation, in the presence of acid, of at least one compound selected from the group consisting of silicate represented by formula (1) and organosilicate represented by formula (2)

$$(X_2O)_i (SiO_2)_i (H_2O)_k$$
 (1)

$$(X_2O)_a(RSiO_{1.5})_b(H_2O)_c$$
 (2)

wherein X independently represents Li, Na, K, Rb, Cs or quaternary ammonium; i, j and k independently represent numbers which satisfy $0 < i \le 1$, $0 \le 1$ and $0 \le k \le 2$; R independently represents a hydrogen atom or an organic group; and a, b and c independently represent numbers which satisfy $0 < a \le 1$ and $0 \le k \le 1$. So

- (Withdrawn) The semiconductor device according to Claim 8 wherein said quaternary ammonium comprises an alkyl group having 1 to 20 carbons.
- (Withdrawn) The semiconductor device according to Claim 8 wherein said R represents an organic group having 1 to 10 carbons.
- (Withdrawn) The semiconductor device according to Claim 8 wherein said silicate represented by formula (1) is tetramethylammonium silicate and said organosilicate represented by formula (2) is tetramethylammonium methylsilicate.
- 12. (Withdrawn) The semiconductor device according to Claim 8 wherein said porous film is between metal interconnections in a same layer of multi-level interconnects or between upper and lower metal interconnection layers.
- (Previously Presented) The composition for forming a porous film according to Claim 1, wherein the composition is capable of forming a porous film having a modulus of elasticity of 5 to 50 GPa.

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- 14. (Previously Presented) The composition for forming a porous film according to Claim 1, wherein the composition is capable of forming a porous film having a dielectric constant of 2.3 or less.
- 15. (Currently Amended) A composition for forming a porous film comprising a condensation product and an organic solvent wherein the condensation product is obtained by adding acid to condensation, in the presence of acid, of at least one compound selected from the group consisting of silicate represented by formula (1) and organosilicate represented by formula (2)

$$(X_2O)_{\,i}\,(SiO_2)_{\,j}\,(H_2O)_{\,k}\ \, (1)$$

 $(X_2O)_a(RSiO_{1.5})_b(H_2O)_c$ (2)

wherein X independently represents Li, Na, K, Rb, Cs or quaternary ammonium; i, j and k independently represent numbers which satisfy $0 < i \le 1$, $0 \le 1$ and $0 \le k \le 2$; R independently represents a hydrogen atom or an organic group; and a, b and c independently represent numbers which satisfy $0 < a \le 1$ and $0 \le k \le 1$. and wherein the condensation product and the organic solvent are in the form of a coating liquid.